

WHAT IS CLAIMED IS:

1           1.     A system for locating access to wireless resources, comprising:  
2                     a portable electronic device including a short range radio  
3     frequency (RF) transceiver;  
4                     a database program running on the portable electronic device,  
5     the database program configured to store a history of wireless station  
6     information and available resource information,  
7                     the wireless station information being representative of wireless  
8     stations coming in communications with the short range RF transceiver as  
9     the portable electronic device is being moved through an environment, and  
10                    the available resource information being correlated with the  
11    wireless station information and the available resource information being  
12    representative of the resources available through the wireless stations.

1           2.     The system of claim 1, wherein the portable electronic device is  
2     a handheld computer.

1           3.     The system of claim 1, wherein the short range RF transceiver  
2     is a Bluetooth transceiver.

1           4.     The system of claim 1, wherein the short range RF transceiver  
2     is a IEEE 802.11 transceiver.

1           5.     The system of claim 1, wherein the wireless station information  
2     includes the type of wireless transceiver being used by the wireless station.

1           6.     The system of claim 1, wherein the wireless station information  
2 includes an address of the wireless station.

1           7.     The system of claim 1, wherein the wireless station information  
2 includes information representative of the location of the wireless station.

1           8.     The system of claim 1, wherein the wireless station information  
2 includes a timestamp representative of a time that the portable device was in  
3 range of the wireless station.

1           9.     The system of claim 1, wherein the resource information  
2 includes a resource identifier.

1           10.    The system of claim 1, wherein the resource information  
2 includes a resource description.

1           11.    The system of claim 1, wherein the resource information  
2 includes keywords relating to the resource.

1           12.    The system of claim 1, wherein the resource information  
2 includes attributes for an object oriented data description.

1           13.    The system of claim 1, wherein the resource information  
2 includes a listing of associated wireless stations.

1           14. A method of locating access to resources in an environment,  
2 comprising:  
3               roaming within an environment with a portable electronic device  
4 having a short range radio frequency (RF) transceiver;  
5               scanning for wireless enabled devices within range of the RF  
6 transceiver of the portable device;  
7               storing wireless station information relating to the wireless  
8 enabled devices in a database;  
9               storing available resource information relating to the resources  
10 available through the wireless station in the database; and  
11               accessing, on the portable electronic device, the database  
12 including the wireless station information and the available resource  
13 information.

1           15. The method of claim 14, further comprising:  
2               querying the database for a specified resource.

1           16. The method of claim 15, further comprising:  
2               performing a keyword search of the database.

1           17. The method of claim 15, further comprising:  
2               providing location information relating to accessing the specified  
3 resource.

1           18. The method of claim 17, wherein the location information  
2 includes a set of directions.

1           19.    The method of claim 17, wherein the location information  
2 includes a map.

1           20.    A method of locating access to resources in an environment,  
2 comprising:  
3                   moving through an environment with a portable electronic  
4 device having a short range radio frequency (RF) transceiver;  
5                   receiving information relating to wirelessly accessible resources;  
6                   storing the information in a database on the device; and  
7                   accessing the database information according to a specific  
8 query.

1           21.    The method of claim 20, wherein the environment is a  
2 metropolitan area.

1           22.    The method of claim 20, wherein the environment is a shopping  
2 district.

1           23.    The method of claim 20, wherein the environment is a shopping  
2 mall.

1           24.    The method of claim 20, wherein the environment is an office  
2 building.

1           25.    The method of claim 20, wherein the environment is a  
2 corporate campus.

